

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference II/2-23256/F	FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/EP2005/050291	International filing date (day/month/year) 24/01/2005	(Earliest) Priority Date (day/month/year) 02/02/2004
Applicant FRESHPOINT HOLDINGS SA		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 6 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

- a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. ☐ With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I.

2. ☐ Certain claims were found unsearchable (See Box II).

3. ☒ Unity of invention is lacking (see Box III).

4. With regard to the title,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the abstract,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the drawings,

- a. the figure of the drawings to be published with the abstract is Figure No. _____

☐ as suggested by the applicant.

☐ as selected by this Authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention.

- b. ☒ none of the figures is to be published with the abstract.

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2005/050291

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G01N31/22 C08K5/34 C07D491/10 C07D333/56

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G01N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, COMPENDEX, MEDLINE, EMBASE, BIOSIS, INSPEC, WPI Data, PAJ, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 376 511 A (TATEZONO ET AL) 27 December 1994 (1994-12-27) column 3, line 38 - column 4, line 10 claims 1-25	1-4, 13, 14
X	WO 02/102923 A (MITSUBISHI CHEMICAL CORPORATION; TANAKA, YUKI; KIJIMA, NAOTO; NAKAMURA) 27 December 2002 (2002-12-27) pages 9-18 figure 1	1-4
X	WO 01/86289 A (JP LABORATORIES, INC; PATEL, GORDHANBHAI, NATHALAL) 15 November 2001 (2001-11-15) page 4, column 25 - page 5 page 9 table 1	1, 13, 14
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☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

& document member of the same patent family

Date of the actual completion of the international search

8 July 2005

Date of mailing of the international search report

29. 07. 2005

Name and mailing address of the ISA

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INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2005/050291

10/587586

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

IAP11 Rec'd PCT/PTO 28 JUL 2006

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 710 420 A (MARTIN ET AL) 20 January 1998 (1998-01-20) column 15, lines 8,37,51,52 column 16, line 29 column 18, lines 23-26 column 19, lines 39-59 column 20, lines 10-16 column 30, lines 56-64 -----	1,5-10
X	US 3 397 059 A (DORION GEORGE HENRY ET AL) 13 August 1968 (1968-08-13) column 4, line 37 - column 5, line 22 examples 1,2 -----	1,5,7, 9-14
X	TOPCHIEV D A: "PHOTOCHROMISM OF SPIROPYRANS IN POLYMERIC MEDIA. SOME ASPECTS AND POSSIBILITIES OF REGULATING THE SPECTRAL-KINETIC CHARACTERISTICS. REVIEW*" POLYMER SCIENCE USSR, PERGAMON PRESS LTD. OXFORD, GB, vol. 32, no. 12, January 1990 (1990-01), pages 2361-2383, XP000244248 -----	1,9-14
Y	abstract page 2363 - page 2364 page 2370 figures 1-3 -----	5,7
X	EP 0 738 728 A (NISSHO IWAI BENTONITE CO.,LTD) 23 October 1996 (1996-10-23) -----	1,9-14
Y	abstract table 1 examples 6,7 -----	5,7

INTERNATIONAL SEARCH REPORT

International application No.
PCT/EP2005/050291

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☒ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☒ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1,2 (in part), 3,4, 13,14 (in part)

A time temperature indicator comprising a diarylethene.

2. claims: 1,2 (in part), 5-8, 13,14 (in part)

A time temperature indicator comprising a spiroaromatic compound.

3. claims: 9-12

A spiroaromatic compound of general formula IV

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2005/050291

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5376511	A	27-12-1994	DE 69126407 D1	10-07-1997
			DE 69126407 T2	15-01-1998
			EP 0488153 A1	03-06-1992
			JP 5011406 A	22-01-1993
			DE 69130158 D1	15-10-1998
			DE 69130158 T2	06-05-1999
			EP 0495185 A2	22-07-1992
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			WO 02102923 A1	27-12-2002
			JP 2003064353 A	05-03-2003
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			CH 462623 A	15-09-1968
			FR 1455191 A	01-04-1966
			GB 1123012 A	07-08-1968
			NL 6507864 A	03-01-1966
EP 0738728	A	23-10-1996	JP 8291176 A	05-11-1996
			EP 0738728 A2	23-10-1996
			US 5782969 A	21-07-1998